

8700  
1644

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/091,357

Filing Date March 1, 2002

First Named Inventor Pillarisetti, Sivaram

Art Unit 1644

Examiner Name Haddad, M. M.

Attorney Docket Number R18631 1050.1

### ENCLOSURES (Check all that apply)

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                  | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to TC   |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Terminal Disclaimer                              | 37 C.F.R. Sec. 1.97(e) Certification; Forms PTO/SB/08A and PTO/SB/08B; European Search Report; Cited References 1-6; Return Postcard |
| <input checked="" type="checkbox"/> Information Disclosure Statement      | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application    | <input type="checkbox"/> Landscape Table on CD                            |  |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Womble Carlyle Sandridge & Rice, PLLC		
Signature			
Printed name	Jeffery B. Arnold		
Date	MARCH 24, 2005	Reg. No.	39,540

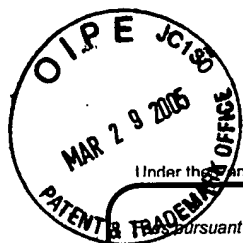
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Jo Jones	Date	03/24/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

**Complete if Known**

Application Number	10/091,357
Filing Date	March 1, 2002
First Named Inventor	Pillarisetti, Sivaram
Examiner Name	Haddad, M. M.
Art Unit	1644
Attorney Docket No.	R18631 1050.1

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 09-0528 Deposit Account Name: Womble Carlyle

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
	Fee (\$)
50	25
200	100
360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
- 3 or HP =	x	=				
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

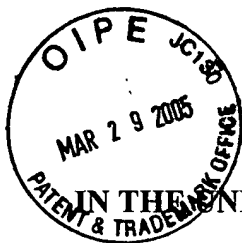
Other: \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	39,540	Telephone	404-879-2433
Name (Print/Type)	Jeffery B. Arnold	Date	MARCH 29, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENTS**

**In re application of:** )  
**PILLARISSETTI** )  
 )  
**Serial No: 10/091,357** )  
 )  
**Filed: March 1, 2002** )  
 )  
**For: METHODS AND COMPOSITIONS** )  
**FOR THE TREATMENT AND** )  
**PREVENTION OF SMOOTH MUSCLE** )  
**CELL PROLIFERATION** )

**Examiner: Haddad, M. M.**  
**Art Unit: 1644**  
**Atty. Docket No.: R18631 1050.1**

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The citation of information on the attached Forms PTO/SB/08A and PTO/SB/08B, "Information Disclosure Statement By Applicant" is made pursuant to 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. §1.98, a copy of each cited item is enclosed. Additionally, Applicant encloses a copy of the European Search Report (EPO Form 1503) for European Application No. 02748391.

Copies of the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B are being submitted at this seemingly late date because they were only recently brought to our attention as a result of foreign prosecution; a certification, as specified in paragraph (e) of 37 CFR 1.97, is enclosed herewith.

---

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on March 24, 2005.

  
Jo Jones

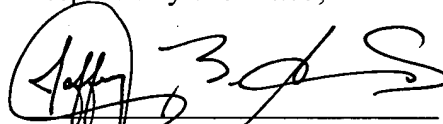
The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed Form PTO/SB/08A and PTO/SB/08B and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The citation of this information does not constitute an admission that any of the materials are available as a reference or of priority, or a waiver of any right applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Pursuant to 37 C.F.R. §1.97(c)(1), Applicant respectfully asserts that no fee is due. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to deposit account no. 09-0528.

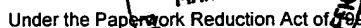
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jeffery B. Arnold', is written over a horizontal line.

Jeffery B. Arnold  
Reg. No. 39,540

Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, GA 30357-0037  
(404) 879-2433 (Telephone)  
(404) 879-2933 (Facsimile)

Docket No.: R18631 1050.1 (51880.0010.9)



Approved for use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

**Complete if Known**

<b>Application Number</b>	<b>10/091,357</b>
<b>Filing Date</b>	<b>March 1, 2002</b>
<b>First Named Inventor</b>	<b>Pillarisetti, Sivaram</b>
<b>Group Art Unit</b>	<b>1644</b>
<b>Examiner Name</b>	<b>Haddad, M. M.</b>
<b>Attorney Docket No.</b>	<b>R18631 1050.1</b>

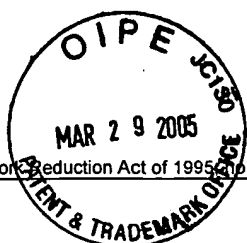
## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**Examiner  
Signature**

Date  
Considered

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.



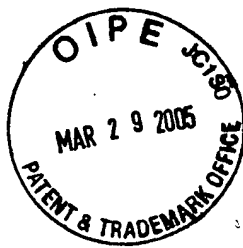
Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>Substitute for Form 1449/A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/091,357
		Filing Date	March 1, 2002
		First Named Inventor	Pillariseti, Sivaram
		Group Art Unit	1644
		Examiner Name	Haddad, M. M.
Sheet 2	of 2	Attorney Docket No.	R18631 1050.1

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	2	HALLORAN, B. et al., "Transforming Growth Factor-β1 Inhibits Human Arterial Smooth-Muscle Cell Proliferation in a Growth-Rate-Dependent Manner", The American Journal of Surgery, Aug. 1995, 193-197, Vol. 170, W. B. Saunders & Co.	
	3	KASSEN, A. et al., "Stromal Cells of the Human Prostate: Initial Isolation and Characterization", The Prostate, 1996, 89-97, Vol. 28, Wiley-Liss, Inc., New York, New York, U.S.A.	
	4	KRONEMANN, N. et al., "Growth-Inhibitory Effect of Cyclic GMP- and Cyclic AMP-dependent Vasodilators on Rat Vascular Smooth Muscle Cells: Effect on Cell Cycle and Cyclin Expression", British Journal of Pharmacology, Jan. 1999, 349-357, Vol. 126 (1), Stockton Press, United Kingdom	
	5	SCHRIEVER, C. et al., "Human Recombinant Insulin-Like Growth Factor I and -II Stimulate the Expression of Basic Fibroblast Growth Factor but Suppress the Division of Bovine Coronary Smooth Muscle Cells", Atherosclerosis, 1996, 255-263, Vol. 122 (2), Elsevier Science Ireland Ltd.	
	6	PAHL, M. et al., "Antithrombin III Inhibits Mesangial Cell Proliferation", Journal of the American Society of Nephrology, 2249-2253, Vol. 7 (10), The American Society of Nephrology, U.S.A.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.



**PATENTS**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re application of:</b>	)	
<b>PILLARSETTI</b>	)	<b>Examiner: Haddad, M. M.</b>
	)	
<b>Serial No: 10/091,357</b>	)	<b>Art Unit: 1644</b>
	)	
<b>Filing Date: March 1, 2002</b>	)	<b>Atty. Docket No.: R18631 1050.1</b>
	)	
<b>For: METHODS AND COMPOSITIONS FOR</b>	)	
<b>THE TREATMENT AND PREVENTION</b>	)	
<b>OF SMOOTH MUSCLE CELL</b>	)	
<b>PROLIFERATION</b>	)	

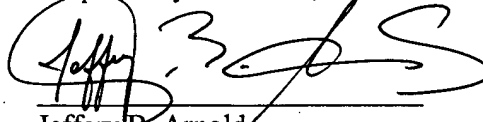
**37 CFR 1.97(e) CERTIFICATION**

Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

Sir:

This certification is being submitted, in accordance with 37 CFR 1.97(e), with the Supplemental Information Disclosure Statement enclosed herewith. Each reference cited by the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office regarding a related foreign application. The Communication from the European Patent Office, enclosed herewith, was mailed on January 31, 2005, which is not more than three months prior to the submittal of this certification.

Respectfully submitted,

  
Jeffery B. Arnold  
Reg. No. 39,540

Date: March 24, 2005

Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, GA 30357-0037  
(404) 879-2433 (Telephone)  
(404) 879-2933 (Facsimile)

Attorney Docket No.: R18631 1050.1 (51880.0010.9)